WHAT IS CLAIMED IS:

1	1. A method for serving a print by reference operation to print
2	referenced content from a referenced location to a print device, the method
3	comprising steps of:
4	accepting, from a print client, a reference to print content targeted
5	for printing from a location indicated by the reference;
6	resolving the reference to determine the location indicated by the
7	reference;
8	obtaining print data from the location indicated by the reference;
9	transcoding the print data into a print device ready format;
10	allowing access to print data transcoded by said step of transcoding;
11.	transferring, in response to a request from the print client, print data
12	transcoded by said step of transcoding.
1	2. The method according to claim 1, wherein said step of accepting
2	accepts the reference from an Internet connection to the print client.
1	3. The method according to claim 1, wherein the reference
2	comprises a universal resource locator address that addresses print content targeted
3	for printing.
1	4. The method according to claim 1, wherein said step of accepting
2	accepts a reference list of individual references that each reference print content
3	stored at a location.
1	5. The method according to claim 4, wherein said steps of resolving,
2	obtaining, transcoding, and allowing are completed for a first one of said
3	individual references in said reference list before being conducted for another one
4	of said individual references in said reference list.
1	6. The method according to claim 1, further comprising a step of
2	initiating a control communication with the print client.

1	7. The method according to claim 6, wherein said step of initiating a
2	control communication is conducted via an argument resolution protocol and said
3	steps of accepting and transferring are conducted via a data transfer protocol.
1	8. The method according to claim 7, wherein the argument
2	resolution protocol is the Simple Object Access Protocol and the data transfer
3	protocol is an HTTP protocol.
1	9. The method according to claim 1, further comprising steps of:
2	accepting a security challenge from the location indicated by the
3	reference; and
4	responding to the security challenge.
1	10. The method according to claim 9, wherein said step of
2	responding comprises passing the security challenge to the print client.
1	11. The method according to claim 1, wherein said step of allowing
2	comprises:
3	establishing a universal resource locator address for the print data
4	transcoded by said step of transcoding; and
5	communicating the universal resource locator address for the print
6	data to the print client.
1	12. The method according to claim 1, further comprising a step of
2	conducting a financial clearance.
1	13. The method according to claim 1, further comprising a step of
2	requiring a billing ID from the print client.
1	14. A print service realized as a computer program product
2	comprising a computer usable medium having computer readable program code
3	embodied in the medium that when executed causes a computer to:
4	accept a reference from a print client to print content targeted for
5	printing from a location indicated by the reference;
6	resolve the reference to determine the location indicated by the
7	reference:

8	obtain the print content from the location indicated by the reference;
9	transcode the print content into a print device ready format;
10	allow access to the transcoded print content; and
11	transfer the transcoded print content to the print client in response to
12	a request from the print client.
1	15. The print service according to claim 14, wherein the software
2	accepts the reference from a direct connection to the print client.
1	16. The print service according to claim 14, wherein the software
2	accepts the reference from an Internet connection to the print client.
1	17. The print service according to claim 14, wherein said software is
2	resident in a web host and the print service is a web site allowing the print service
3	to be reached by the print client via the Internet.
1	18. The print service according to claim 17, wherein the web site is
2	discoverable by the print client through the Internet.
1	19. The print service according to claim 18, wherein the web site is
2	pre-configured into print clients to be discoverable when print services are
3	required by the print clients.
1	20. The print service according to claim 18, wherein the web site is
2	registered into a service registry to be discoverable by print clients.
1	21. The print service according to claim 18, wherein the web site is
2	discoverable via network discovery protocols.
1	22. The print service according to claim 14, wherein the software
2	accepts a reference that is a Universal Resource Locator addressing a content
3	provider.
1	23. The print service according to claim 14, wherein the software
2	accepts a reference comprising multiple references to print content targeted at
3	multiple locations for printing.
1	24. The print service according to claim 23, wherein the multiple
2	references comprise a list of multiple Universal Resource Locators.

1	25. The print service according to claim 23, wherein each of the
2	multiple references is processed separately followed by sequential processing of
3	remaining references in a list.
1	26. The print service according to claim 14, wherein the print
2	service, at the time the software accepts a reference, the reference receives a
3	control communication with the print client over a control communication channel
4	and opens a separate data channel for data exchange.
1	27. The print service according to claim 26, wherein the software
2	receives the control communication via an argument resolution protocol.
1	28. The print service according to claim 27, wherein the argument
2	resolution protocol is the Simple Object Access Protocol.
1	29. The print service according to claim 27, wherein the argument
2	resolution protocol is layered on top of an HTTP protocol.
1	30. The print service according to claim 27, wherein the software
2	accepts control communications via the argument resolution protocol to:
3	create a new print job;
4	check status of an existing print job; and
5	cancel an existing print job.
1	31. The print service according to claim 30, wherein the software
2	accepts a request to create a new print job from the print client.
1	32. The print service according to claim 31, wherein the software
2	creates a unique job identifier when accepting a request to create a new print job
3	from the print client and communicates the job identifier to the print client for use
4	in further communications concerning the new print job.
1	33. The print service according to claim 14, wherein the software
2	transcodes into a form that depends on a device type of the print client.
1	34. The print service according to claim 14, wherein the software
2	conducts a financial clearance of the print client.

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- 1 35. The print client according to claim 14, wherein the software
- 2 requires a billing ID from the print client.